



Pier Surveys and Removal

Hunters Point Naval Shipyard
BRAC Cleanup Team Meeting
March 24, 2011

Navy Contractor: ERS Joint Venture



BCT Discussion Overview

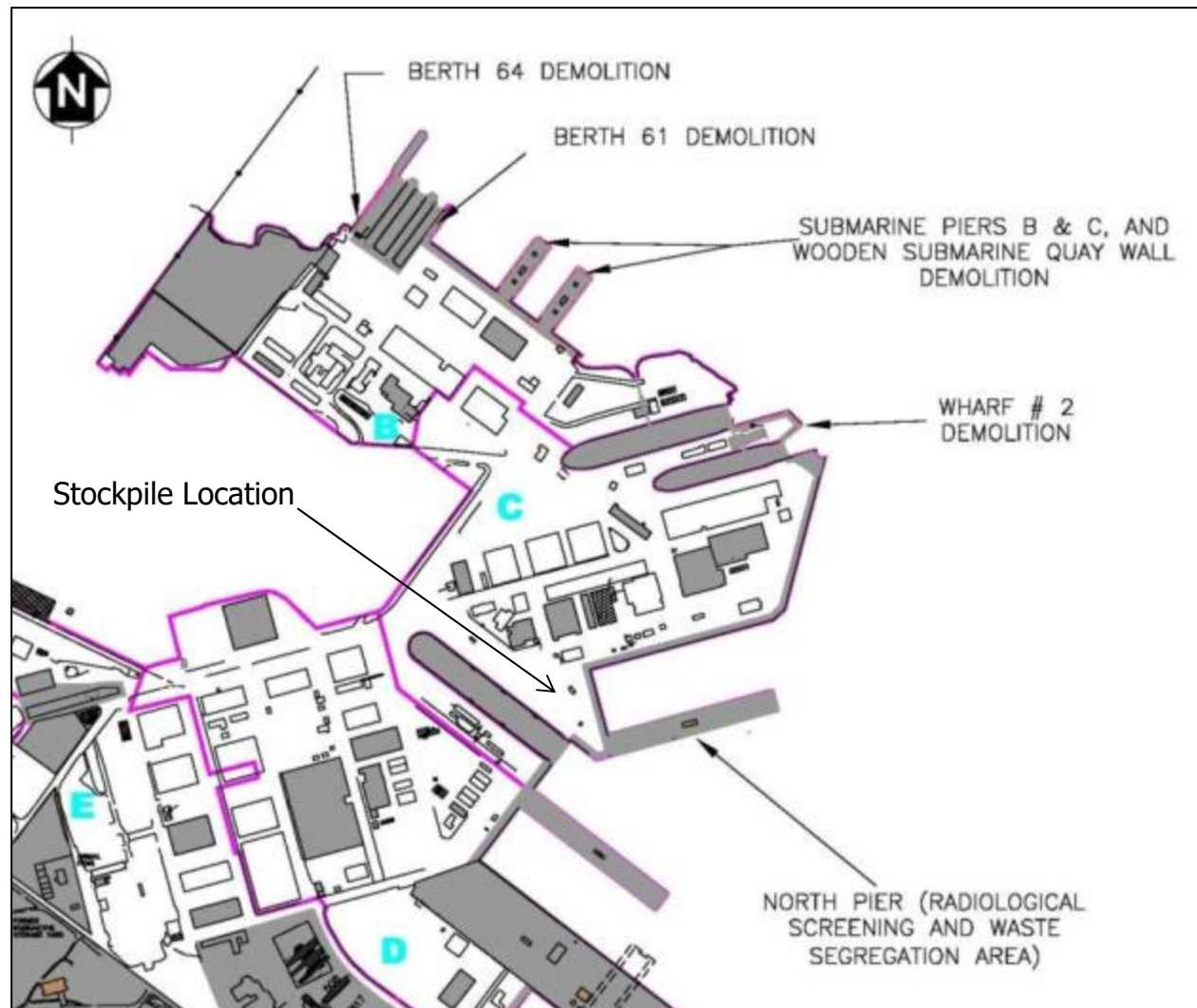


- Map of Work Areas
- Scope of Work and Status Update
- Field Activities Update
- Project Schedule





Map of Work Areas





Scope of Work and Status Update



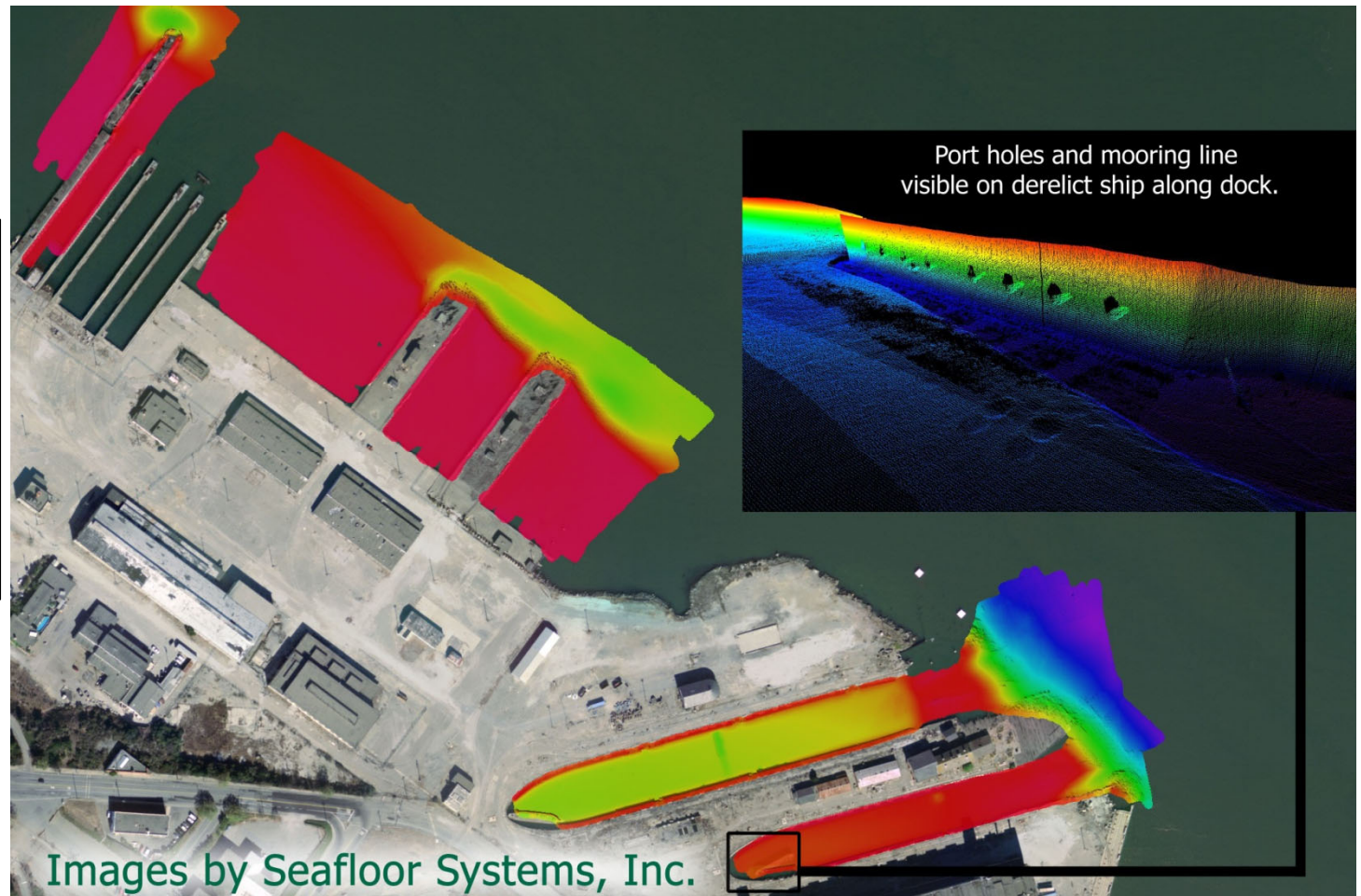
- Planning
 - Workplan – Final Pier Demolition Work Plan Approved
- Pre-Demolition Activities
 - Pre-Demolition Surveys complete
 - Equipment mobilized the week of March 14th
- Pier Demolition Activities
 - Demolition and Radiological Screening activities started Tuesday of this week
- Post-Demolition Activities
 - Post-Demolition Surveys
 - Equipment Decontamination (if necessary)
 - Removal Action Completion Report (RACR) Preparation



Field Activities: Pre-Demolition Survey



Multi-beam
survey of work
areas with
example
seafloor
modeling





Field Activities: Boom Deployment



Debris/Environmental boom
deployment
for debris
containment





Field Activities: Radiological As-found Survey



Stormwater
BMPs around
entire North Pier
laydown area

Radiological as-
found survey of
North Pier
laydown area





Field Activities: Work Barge



Demolition work barge equipped with demolition equipment fitted with different attachments for grabbing and scooping





Field Activities: Wharf 2 Demolition Activities



Demolition work
barge in the
foreground and
material barge
in the
background

Work skiff to
perform water
quality
monitoring

Debris/enviromental boom to
capture floating
debris





Field Activities: Material Staging

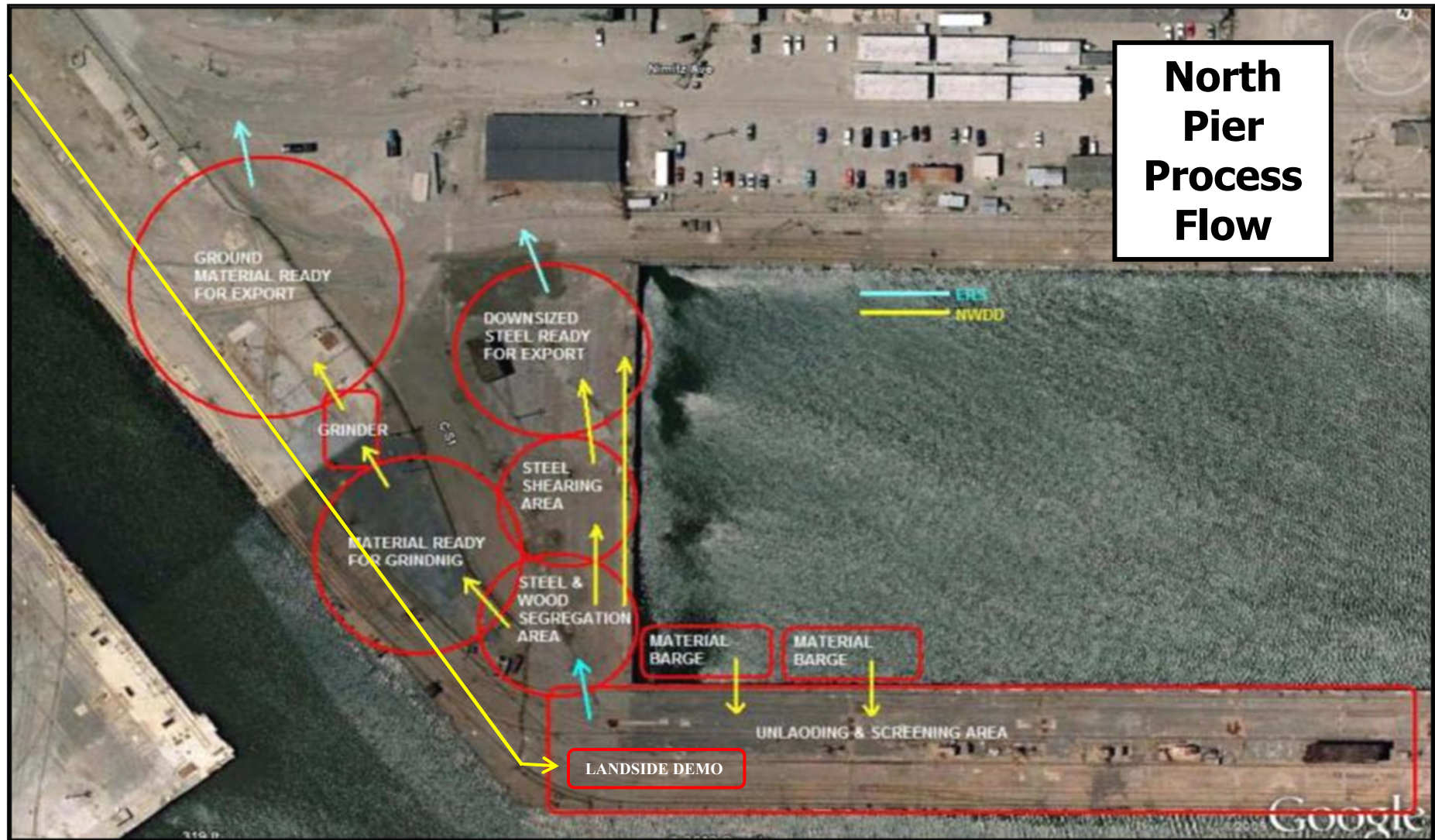


Material staged
for radiological
screening





North Pier Debris Processing





Project Schedule



- **Mobilization:** Week of March 14th
- **Demolition Activities Start:** Week of March 21st
- **Anticipated De-mobilization:** September 2011
- **Project Completion:** February 2012 – Final Rept.



QUESTIONS ?